

INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(Not for submission under 37 CFR 1.99)</i>	Application Number		10083576	
	Filing Date		2002-02-27	
	First Named Inventor		MALKAS, Linda H.	
	Art Unit		1643	
	Examiner Name		HUFF, Sheela J.	
	Attorney Docket Number		080371.00005	

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/SJH/	1	Beyne-Rauzy et al., "Anti-PCNA Antibodies: Prevalence and Predictive Value," Joint Bone Spine 72:430-36 (2005)	<input type="checkbox"/>
/SJH/	2	Brand et al., "Autoreactive Epitope Profiles of the Proliferating Cell Nuclear Antigen Define Two Classes of Autoantibodies," J. Immunol. 152:4120-28 (1994)	<input type="checkbox"/>
/SJH/	3	Dobrolecki et al., Abstract No. 3546 AACR (2004)	<input type="checkbox"/>
/SJH/	4	Fukuda et al., "Structure-Function Relationship of the Eukaryotic DNA Replication Factor, Proliferating Cell Nuclear Antigen" J. Biol. Chem. 270:22527-34 (1995)	<input type="checkbox"/>
/SJH/	5	Hoelz et al., "Cancer Specific Proliferating Cell Nuclear Antigen as a Novel Diagnostic Marker for the Detection of Breast Cancer" Abstract http://cdmrp.army.mil/bcrp/era/abstracts2005/0210467_abs.pdf (2005)	<input type="checkbox"/>
/SJH/	6	Hoelz, "Cancer Specific Proliferating Cell Nuclear Antigen as a Novel Diagnostic Marker for the Detection of Breast Cancer - Annual Summary Rept. 1 Oct 2002 - 30 Sep 2003" Abstract http://www.ntis.gov/search/product.asp?ABBR=ADA422005&starDB=GRAHIST	<input type="checkbox"/>
/SJH/	7	Kelman, "PCNA: Structure, Functions and Interactions" Oncogene 14:629-40 (1997)	<input type="checkbox"/>
/SJH/	8	Ino et al., "Expression of Proliferating Cell Nuclear Antigen (PCNA) in the Adult and Developing Mouse Nervous System" Mol. Brain Res. 78:163-74 (2000)	<input type="checkbox"/>
/SJH/	9	Roos et al., "Determination of the Epitope of an Inhibitory Antibody to Proliferating Cell Nuclear Antigen" Experimental Cell Res. 226:208-13 (1996)	<input type="checkbox"/>
/SJH/	10	Tzang et al., "Presentation of Autoantibody to Proliferating Cell Nuclear Antigen in Patients with Chronic Hepatitis B and C Virus Infection" Ann. Rheum Dis. 58:630-34 (1999)	<input type="checkbox"/>
/SJH/	11	Warbrick, "The Puzzle of PCNA's Many Partners" BioEssays 22:997-1006 (2000)	<input type="checkbox"/>

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/SJH/	12	Zhang et al., "The Interdomain Connector Loop of Human PCNA Is Involved in a Direct Interaction with Human Polymerase δ" J. Biol. Chem. 273:713-19 (1998)	<input type="checkbox"/>
/SJH/	13	Malkas et al., "A Cancer-Specific Form of Proliferating Cell Nuclear Antigen (csPCNA) Is Present in Malignant Human Breast Cells and Tissues" J. Clin. Ligand Assay 25:20-32 (2002).	<input type="checkbox"/>
/SJH/	14	Hoelz et al., "The Discovery of Labile Methyl Esters on Proliferating Cell Nuclear Antigen by MS/MS" Proteomics 6:4808-16 (2006)	<input type="checkbox"/>
/SJH/	15	Naryzhny et al., "Observation of Multiple Isoforms and Specific Proteolysis Patterns of Proliferating Cell Nuclear Antigen in the Context of Cell Cycle Compartments and Sample Preparations" Proteomics 3:930-36 (2003)	<input type="checkbox"/>

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/SJH/	1	5574047		1996-11-12	BUMOL et al.	
/SJH/	2	5356817		1994-10-18	COLE	
/SJH/	3	5580903		1996-12-03	KAZUNORI et al.	
/SJH/	4	5756476		1998-05-26	EPSTEIN et. al.	
/SJH/	5	5889169		1999-03-30	BEACH et al.	
/SJH/	6	5616461		1997-04-01	SCHAFFER et al.	
/SJH/	7	6063575		2000-05-16	SEKOWSKI et al.	
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/SJH/	1	20060073477	A1	2006-04-06	MALKAS, Linda H.	

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/SJH/	1	96/35715	WO		1996-11-14	COX et al.		<input type="checkbox"/>
/SJH/	2	07191037	JP		1995-07-28	KIKKOMAN Corp.		<input type="checkbox"/>
/SJH/	3	04012273	JP		1992-01-16	IGAKU Seibutsugaku		<input type="checkbox"/>

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/SJH/	1	Almendral et al, Proc. Natl. Acad. Sci., USA, 84:1575-1579(1987)	<input type="checkbox"/>
/SJH/	2	Applegreen et al, J. of Cell Biochem, 59:91-107 (1995)	<input type="checkbox"/>

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/SJH/	3	Bechtel et al, Proc. of the American Association for Cancer Research, 37:494 (1996)	<input type="checkbox"/>
	4	Brown, Breast Cancer, Hematology/Oncology Clinics of North America, 8(1):101-112 (1994)	<input type="checkbox"/>
	5	Coll et al, Oncology Research, 8(10-11):435-447 (1996)	<input type="checkbox"/>
	6	Coll et al, Oncology Research, 9:629-639 (1997)	<input type="checkbox"/>
	7	Gabizon et al, Cancer Research, 52:891-896 (1992)	<input type="checkbox"/>
	8	Genesis Group Associates, Inc., New tests improve breast cancer prognosis, Genesis Report-Dx, Vol. 6, No. 3, NLDB Accession No. 97-320100 (1997)	<input type="checkbox"/>
	9	Hickey et al, "DNA Replication and Mutagenesis", American Soc. for Microbiology, Washington, D.C., pages 41-54 (1998).	<input type="checkbox"/>
	10	Hickey et al, Critical Reviews in Eukaryotic Gene Expression, 7(1&2):125-157 (1997)	<input type="checkbox"/>
	11	Kang et al, Carcinogenesis, 18(2):251-257 (1997)	<input type="checkbox"/>
	12	Kirpotin et al, Biochemistry, 36:66-75 (1997)	<input type="checkbox"/>
/SJH/	13	Lasic et al, Science, 267:1275-1276 (1995)	<input type="checkbox"/>

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/SJH/	14	Levenson et al, Cancer Research, 57:3071-3078 (1997)	<input type="checkbox"/>
	15	Lin et al, Cell Growth & Differentiation, 8:1359-1369 (1997)	<input type="checkbox"/>
	16	Lin et al, Leukemia Research, 21(6):501-512 (1997)	<input type="checkbox"/>
	17	Malkas et al, Biochemistry, 29(27):6362-6374 (1990)	<input type="checkbox"/>
	18	Ogata et al, The J. of Immunol., 135(4):2623-2627 (1985)	<input type="checkbox"/>
	19	Papahadjopoulos et al, Proc. Natl. Acad. Sci., USA, 88:11460-11464 (1991)	<input type="checkbox"/>
	20	Park et al, Proc. Natl. Acad. Sci., USA, 92:1327-1331 (1995)	<input type="checkbox"/>
	21	Pohl et al., Neural network evaluation of multiple tumor markers for diagnosis of ovarian cancer (Meeting Abstract), Non-serial, 3rd International Conference of the Mediterranean Society of Tumor Marker Oncology, CANCERLIT Accession No 95614997 (1994)	<input type="checkbox"/>
	22	Sekowski et al, Toxicology and Applied Pharmacology, 145:268-276 (1997)	<input type="checkbox"/>
	23	Simbulan-Rosenthal et al, Biochem, 35(36):11622-11633 (1996)	<input type="checkbox"/>
/SJH/	24	Soule et al, Cancer Research, 50:6075-6086 (1990)	<input type="checkbox"/>

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/SJH/	25	Soule et al, J. of the Natl. Cancer Inst., 51(5):1409-1413 (1973)	<input type="checkbox"/>
	26	Stampfer, J. of Tissue Culture Methods, 9(2):107-115 (1985)	<input type="checkbox"/>
	27	Tait et al, Cancer Research, 50:6087-6094 (1990)	<input type="checkbox"/>
	28	Tockman et al, Cancer Research, 52 (Suppl.):2711s-2718s (1992)	<input type="checkbox"/>
	29	Tom et al, J. of Cell. Biochem., 63:259-267 (1996)	<input type="checkbox"/>
	30	Ward, Developmental Oncology, 21:90-106 (1985)	<input type="checkbox"/>
	31	Waseem et al, J. of Cell Science, 96(1):121-129 (1990)	<input type="checkbox"/>
	32	Winter et al, Ann. Rev. Immunol., 12:433-455 (1994)	<input type="checkbox"/>
	33	Sekowski et al, Cancer Res., 58:3259-3263 (1998)	<input type="checkbox"/>
↓	34	Yagura et al, Biochemistry, American Chemical Society, 26:7749-7754(1987)	<input type="checkbox"/>
/SJH/	35	Zhigang et al, J. Biological Chemistry, 271(45):28243-28249 (1996)	<input type="checkbox"/>

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/SJH/	36	Ariza et al. Env. & Mol. Mutagenesis, 27:30-33 (1996)	<input type="checkbox"/>
	37	Coll et al, Proc. Natl. Meet. Am. Assoc. Cancer Res. 37:A3409 (1996)	<input type="checkbox"/>
	38	Lin et al, Proc. Natl. Meet. Am. Assoc. Cancer Res., 37:A3413 (1996)	<input type="checkbox"/>
	39	Malkas et al, Proc. Natl. Acad. Sci., USA, 86:70-74 (1989)	<input type="checkbox"/>
	40	Mikita et al, Biochemistry, 27:4698-4705 (1988)	<input type="checkbox"/>
	41	Murakami et al, Proc. Natl. Acad. Sci., USA, 83:6347-6351 (1986)	<input type="checkbox"/>
↓	42	Roberts et al, Proc. Natl. Acad. Sci., USA, 85:7064-7068 (1988)	<input type="checkbox"/>
/SJH/	43	Sekowski et al, Proc. Natl. Meet. Am. Assoc. Cancer Res., 38:A270 (1997)	<input type="checkbox"/>

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/SJH/	1	4376110		1983-03-08	DAVID, Gary S.	
/SJH/	2	4486530		1984-12-04	DAVID, Gary S.	
/SJH/	3	4632901		1986-12-30	VALKIRS, Gunars E.	
/SJH/	4	4727019		1988-02-23	VALKIRS, Gunars E.	
/SJH/	5	5395754		1995-03-07	LAMBOTTE, Paul P.	

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/SJH/	1	Wu, et al, J. Cell. Biochem. 54: 32-46 (1994)						<input type="checkbox"/>
/SJH/	2	Lasic and Martin, Stealth Liposomes, (1995) p. 1-3						<input type="checkbox"/>
/SJH/	3	Hayes, Recent Results Cancer Res., 140: 101-113 (1996)						<input type="checkbox"/>
/SJH/	4	Schwartz, et al., Clin. Chem., 39(11B): 2409-2412 (1993)						<input type="checkbox"/>
/SJH/	5	Haerslev, et al., Breast Cancer Res. Treat., 37: 101-113 (1996)						<input type="checkbox"/>
/SJH/	6	Schmitt, et al., Path. Res. Pract., 190: 786-791 (1994)						<input type="checkbox"/>
/SJH/	7	Zaccaria, et al., Leukemia and Lymphoma 16: 231-236 (1995)						<input type="checkbox"/>

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/SJH/	8	Takasaki, et al., J. Natl. Cancer Inst. 73(3): 655-661 (1984)	<input type="checkbox"/>
/SJH/	9	Thiele, et al., Hemathologic Path. 7(4): 239-249 (1993)	<input type="checkbox"/>

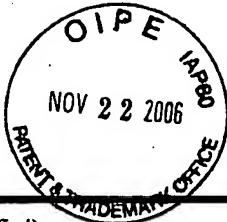
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Serial No.: 10/083,576
First Named Inventor: Linda H. Malkas
Filing Date: February 27, 2002
Group: 1642
Atty. Docket No.: 80371/5

Reference Designation

OTHER ART

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Bechtel, Pamela E. Bechtel, *Proliferating Cell Nuclear Antigen in Malignancy*, (May 8, 1998) (Ph.D. Dissertation, University of Maryland) (on file with University of Maryland Health Sciences and Human Services Library).

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